

## ABSTRACT OF THE DISCLOSURE

An optical module controls its output characteristics electrically and an optical switch constitutes the optical  
5 module. An optical waveguide circuit (PLC) and an  
electronic circuit (IC) for driving the PLC are mounted  
on the same substrate. The IC is composed of a bare chip  
to be molded afterward. Wiring of the IC is grouped and  
integrated on the PLC substrate to achieve higher density  
10 and miniaturization of the optical module.